

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A multi-layer garment system, comprising:
a primary garment including a thermal layer with at least one raised surface; and
an outer shell garment constructed to be worn over the primary garment, including a first portion comprising a shell fabric that is breathable, water resistant repellent, and wind resistant, and a second portion comprising a vapor permeable moisture barrier that is substantially waterproof and windproof,
the first portion comprising a lower portion of the outer shell garment and the second portion comprising an upper portion of the outer shell garment, and
the first, lower portion of the outer shell garment being transmissive of water vapor and a predetermined through-flow of air, relative to the second, upper portion, while repelling liquid water, and the second, upper portion of the outer shell garment being substantially non-transmissive of liquid water and through-flow of air, relative to the first, lower portion.
2. (Previously presented) The system of claim 1 wherein the outer shell garment is formed entirely of the shell fabric.
3. (Previously presented) The system of claim 2 wherein the vapor permeable moisture barrier comprises a coating formed on the shell fabric.
4. (Previously presented) The system of claim 3 wherein the coating comprises a polymer selected from the group consisting of acrylic, polyurethane, and silicon.

5. (Previously presented) The system of claim 2 wherein the vapor permeable moisture barrier comprises a laminate formed on the shell fabric.

6. (Previously presented) The system of claim 5 wherein the laminate comprises a breathable membrane of PTFE, polyurethane, and polyester.

7. (Previously presented) The system of claim 1 wherein the second portion comprises a second shell fabric different from the shell fabric of the first portion.

8. (Previously presented) The system of claim 1, wherein the first portion comprises a tightly woven shell fabric.

9. (Previously presented) The system of claim 5 wherein the second portion comprises a tightly woven fabric having air permeability relatively lower than that of the first portion.

10. (Cancelled)

11. (Previously Presented) The system of claim 1, wherein the outer shell garment has the form of a jacket, and the upper portion of the jacket defines at least a shoulder surface and a top sleeve surface.

12. (Previously presented) The system of claim 11 wherein the lower portion of the jacket defines at least an underarm area of the jacket.

13. (Previously presented) The system of claim 1, wherein the primary garment comprises a storage compartment for receiving the outer shell.

14. (Previously presented) The system of claim 13, wherein the storage compartment comprises a pouch or pocket associated with the primary garment.

15. (Previously presented) The system of claim 1, wherein the first portion has air permeability in the range of between about one cfm and about ten cfm in a thirty mph wind.

16. (Previously presented) The system of claim 1, wherein the second portion provides an air permeability in the range of about one cfm or less in a thirty mph wind.

17. (Previously presented) The system of claim 1, wherein the thermal layer comprises fleece.

18. (Previously presented) The system of claim 1, wherein the thermal layer comprises double-face velour.

19. (Previously Presented) The system of claim 1, wherein the thermal layer comprises a region of channels constructed within a raised or pile surface to provide circulation of air permeating through the first portion of the outer shell garment.

20. (Previously Presented) The system of claim 19, wherein the thermal layer comprises a front portion having a raised or pile surface extending from a shoulder region down over a chest region to a waistline and a back portion having a raised surface defining channels, the back portion extending from the shoulder region down each arm.

21. (Currently Amended) A multi-layer garment system, comprising:
a primary garment including a thermal layer with at least one raised surface; and
an outer shell garment constructed to be worn over the primary garment, including a first portion comprising a shell fabric that is breathable, water resistant repellent, and wind resistant, the outer shell garment defining an upper portion and a lower portion, and a second portion comprising a vapor permeable moisture barrier that is substantially waterproof and windproof,
the thermal layer defining a channeled region constructed to provide circulation of air permeating through the first portion of the outer shell garment and comprising:

a front portion having a raised surface extending from a shoulder region down over a chest region to a waistline and a back portion having a raised surface defining channels, the back portion extending from the shoulder region down each arm, and

a pair of sleeve portions, each sleeve portion having a raised surface relatively shorter than the raised surface of the front portion and extending from the shoulders region down each arm.

22. (Currently Amended) A multi-layer garment system, comprising:

a primary garment including a thermal layer with at least one raised surface; and

an outer shell garment constructed to be worn over the primary garment, including a first portion comprising a shell fabric that is breathable, water resistant repellent, and wind resistant, the outer shell garment defining an upper portion and a lower portion, and a second portion comprising a vapor permeable moisture barrier that is substantially waterproof and windproof,

the thermal layer defining a channeled region constructed to provide circulation of air permeating through the first portion of the outer shell garment and comprising:

a front portion having a raised surface extending from a shoulder region down over a chest region to a waistline and a back portion having a raised surface defining channels, the back portion extending from the shoulder region down each arm, and

a pair of sleeve portions, each sleeve portion having a raised surface relatively less dense than the raised surface of the front portion and extending from the shoulders region down each arm.

23. (Original) The system of claim 20, wherein the back portion extends over the shoulder region and around a neckline and the front portion extends from the back portion down over a chest region to the waistline.

24. (Previously presented) The system of claim 19, wherein the channeled region defines channels on the raised surface extending vertically and horizontally.

25. (Original) The system of claim 1, wherein the shell comprises a micro-fiber textile material.

26. (Previously presented) The system of claim 1, wherein the thermal layer comprises a material selected from the group consisting of high loft, sweater-knits and micro-grid fabric.

27. (Previously presented) The system of claim 26, wherein the thermal layer comprises a high loft sweater-knit with pile height in the range of about 8/32 inch to about 12/32 inch on both the front portion and the back portion.

28. (Original) The system of claim 1, wherein the shell is releasably connected to the thermal layer at the waist, wrist and neck.

29. (Currently Amended) A lightweight shell garment for use with a primary garment, the shell comprising:

a first portion comprising a tightly-woven shell fabric, the shell fabric being breathable, water-repellent, ~~resistant~~, and wind-resistant; and

a second portion comprising of a vapor permeable moisture barrier that is waterproof and windproof,

the first portion comprising a lower portion of the outer shell garment and the second portion comprising an upper portion of the outer shell garment, and

the first, lower portion of the outer shell garment being transmissive of water vapor and a predetermined through-flow of air, relative to the second, upper portion, while repelling liquid water, and the second, upper portion of the outer shell garment being substantially non-transmissive of liquid water and through-flow of air, relative to the first, lower portion.

30. (Cancelled)

31. (Previously Presented) The lightweight shell of claim 29, wherein the outer shell garment has the form of a jacket, and the upper portion of the jacket comprises a shoulder surface and a top sleeve surface.

32. (Previously presented) The lightweight shell of claim 29, wherein the first portion has air permeability in the range of between about one cfm and about ten cfm in a thirty mph-wind.

33. (Previously Presented) The lightweight shell of claim 29, wherein the second portion has air permeability of in the range of about one cfm or less in a thirty mph wind.

34. (Previously presented) The lightweight shell of claim 29 wherein the shell garment is formed entirely of the shell fabric.

35. (Previously presented) The lightweight shell of claim 34 wherein the vapor permeable moisture barrier comprises a coating formed on the shell fabric.

36. (Previously presented) The lightweight shell of claim 35 wherein the coating comprises a polymer selected from the group consisting of acrylic, polyurethane, and silicon.

37. (Previously presented) The lightweight shell of claim 29 wherein the second portion comprises a second shell fabric different from the shell fabric of the first portion.

38. (Cancelled)

39. (Previously presented) The lightweight shell of claim 37 wherein the second portion comprises a tightly-woven shell fabric with relatively lower air permeability than that of the first portion.

40. (Original) The lightweight shell of claim 29, wherein the shell comprises a micro-fiber textile material.

41. (Currently Amended) A method of wearing a multi-layered garment, comprising:
wearing a primary garment including a thermal layer with at least one raised surface; and
wearing an outer shell garment constructed to be worn over the primary garment,
including a first portion comprising a fabric that is breathable, water ~~resistant~~^{repellent}, and wind
resistant, and a second portion comprising a vapor permeable moisture barrier that is waterproof
and windproof,

the first portion comprising a lower portion of the outer shell garment and the second
portion comprising an upper portion of the outer shell garment, and

the first, lower portion of the outer shell garment being transmissive of water vapor and a
predetermined through-flow of air, relative to the second, upper portion, while repelling liquid
water, and the second, upper portion of the outer shell garment being substantially non-
transmissive of liquid water and through-flow of air, relative to the first, lower portion.

42. (Previously Presented) The method of claim 41, further comprising:
removing the outer shell garment, while continuing to wear the primary garment, and
storing the outer shell garment in a compartment for receiving the outer shell.

43. (Original) The method of claim 42, wherein the compartment is defined by one of a
pouch and a pocket associated with the primary garment.

44. (Previously Presented) A primary garment for use with a lightweight shell, the
primary garment comprising:

a front portion comprising an insulating fabric having a raised surface, the front portion
extending from a shoulder region down over a chest region to a waistline;

a back portion comprising an insulating fabric having a raised surface defining channels
within the raised surface, the back portion extending from the shoulder region down over a back
region to the waistline; and

a pair of sleeve portions, each having a raised surface shorter in height than the raised
surface of the front portion and extending from the shoulder region down each arm.

45. (Previously presented) The primary garment of claim 44 wherein the channels are constructed and arranged to circulate air flowing through the shell fabric.

46. (Cancelled)

47. (Previously presented) The primary garment of claim 44, further comprising:
a pair of sleeve portions, each having a raised surface less dense than the raised surface of the front portion and extending from the shoulder region down each arm.

48. (Original) The primary garment of claim 44, wherein the back portion extends over the shoulder region and around a neckline and the front portion extends from the back portion down over a chest region to the waistline.

49. (Previously presented) The primary garment of claim 44, wherein the channels of the raised surface extend vertically and horizontally.

50. (Currently Amended) A multi-layer garment system, comprising:
a primary garment including a thermal layer, including
a front portion having a raised surface and extending from a shoulder region down over a chest region to a waistline,
a back portion having a raised surface with channels within a raised surface and extending from the shoulder region down over a back region to the waistline, and
a pair of sleeve portions, each sleeve portion having a raised surface shorter in height than that of the raised surface of the front portion and extending from the shoulders region down each arm; and

an outer shell garment constructed to be worn over the primary garment, including:
a body constructed of a fabric, the fabric being breathable, water
resistant~~repellent~~, and wind resistant, the body defining an upper portion and a lower portion,
and

a vapor permeable moisture barrier covering said upper portion of the body, the moisture barrier being waterproof and windproof;

wherein at least part of said lower portion is not covered by said moisture barrier.

51. (New) The system of claim 1, wherein the second portion comprises front and rear portions of the garment.

52. (New) The system of claim 51, wherein the second, upper portion extends over chest and back regions of the garment.

53. (New) The system of claim 52, wherein the second, upper portion extends from a collar of the garment, over a shoulder region of the garment, and over upper arm regions of the garment.

54. (New) The system of claim 1, wherein the first, lower portion is an unlaminated shell fabric.

55. (New) The system of claim 1, wherein the first, lower portion is not waterproof.